

**A THIN FILM DEVICE AND A METHOD OF PROVIDING THERMAL  
ASSISTANCE THEREIN**

**ABSTRACT**

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A thin film device and a method of providing thermal assistance therein is disclosed. Accordingly, a heater material is utilized to thermally assist in the operation of the thin film device. By utilizing a heater material to thermally assist in the operation of the thin film device, a substantial improvement in the accuracy and performance of the thin film device is achieved. A first aspect of the present invention is a thin film device. The thin film device includes at least one patterned thin film layer, a heater material coupled to the at least one patterned thin film layer for providing thermal assistance to the at least one of the patterned thin film layers and a conductor coupled to the heater material for supplying energy to the heater material.

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